Docket No.: CSHL-P01-011

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

. Hannon et al.

Confirmation No.:

1038

Application No.:

10/524,690

Art Unit:

1635

Filed:

February 15, 2005

For:

CELL-BASED RNA INTERFERENCE AND

Examiner:

Not Yet Assigned

RELATED METHODS AND COMPOSITIONS

CONSENT OF ASSIGNEE TO CORRECT INVENTORSHIP **PURSUANT TO C.F.R. § 1.497(d)(3)**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Assignee, Cold Spring Harbor Laboratory, a corporation with principal offices at One Bungtown Road, Cold Spring Harbor, New York 11724, having rights in the subject application by virtue of an assignment (as recorded at the United States Patent and Trademark Office on October 10, 2006 at Reel 018425, Frame 0239) from Gregory Hannon, Michelle Carmell, Ross Dickins, Jordan Fridman, Michael Hemann, Scott Lowe, Patrick Paddison and Jack Zilfou, each of whom was originally named an inventor in corresponding international application PCT/US03/30901(from which the above-identified application was filed under 35 U.S.C. §371), hereby consents to the request to amend the inventorship to add Stephen J. Elledge as an inventor in the subject application.

Pursuant to 37 C.F.R. § 3.73(b)(i), the undersigned is an Officer authorized to act on behalf of the Assignee Cold Spring Harbor Laboratory.

> Respectfully submitted, **Cold Spring Harbor Laboratory**

Name: John Maroney

Title: Director, Office of Technology Transfer

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(PATENT)

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CONSENT OF ASSIGNEE TO CORRECT INVENTORSHIP PURSUANT TO C.F.R. § 1.497(d)(3)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Assignee, The Research Foundation of State University of New York, a non-profit corporation with principal offices at 35 State Street, Albany, New York 12207-2826, having rights in the subject application by virtue of an assignment (as recorded at the United States Patent and Trademark Office on September 9, 2005 at Reel 016767, Frame 0700) from Thomas Rosenquist (who was originally named an inventor in corresponding international application PCT/US03/30901, from which the above-identified application was filed under 35 U.S.C. §371), hereby consents to the request to amend the inventorship to add Stephen J. Elledge as an inventor in the subject application.

Pursuant to 37 C.F.R. § 3.73(b)(i), the undersigned is an Officer authorized to act on behalf of the Assignee The Research Foundation of State University of New York.

Respectfully submitted,
Research Foundation of State University of New York
By: Chut ash
Name: Chester Bisbee
Title: Director of Technology and Licensing
Date: $\frac{2/19/08}{}$

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CELL-BASED RNA INTERFERENCE AND RELATED METHODS AND COMPOSITIONS

which is a national stage filing under 35 U.S.C. 371 of PCT application PCT/US03/030901, filed on February 15, 2005, now assigned Application No. 10/524690.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

X	no such foreign applications have been filed
	such foreign application have been filed as follows:

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS ILS ADDITION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
		IF ANY FILED MO PRIOR TO THIS U.S	RE THAN 12 MONTH S. APPLICATION
Application Numbe	r (Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

-	claim priority benefits un ovisional patent application		es Code §119(e), of any Unite	∍d			
	such U.S. provisional app						
X Suci	1 0.5. provisional applica	ation have been fried as I					
	Application Number	Date of Filing	Priority Claimed Under 35 USC 119				
	60/414605 September 27, 2002 X Yes No						
ļ		***					
		l					

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by ose ral

application is not disclosed in the prior officed states application in the mainter provided t
the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclo
all information that is material to patentability in accordance with Title 37, Code of Feder
Regulations, §1.56 which became available to me between the filing date of the prior
application and the national or PCT international filing date of this application:
no such U.S./PCT applications have been filed.
x such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003
		1	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 28120

all of Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

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Please mail all correspondence to Matthew P. Vincent, whose address is:

Ropes & Gray LLP
One International Place
Boston, Massachusetts 02110-2624

Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Please direct facsimiles to: (617) 951-7050

2.1.1.	
Full name of third inventor, if any	
Gregory J. Hannon Third inventor's signature	Date
Third inventor's signature	
/ / /	7-31-06
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
County inventor if any	
Full name of seventh inventor, if any Michelle A. Carmell	
Seventh inventor's signature	Date
Seventin in sentor 3 signature	
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
142 Gibbs Pond Nesconset, New York 11767	
Nesconset, New York 11707	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Residence Cold Spring Harbor, New York	
Citizenship Australia Mailing Address	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	Date
Sixth inventor's signature	Date
Residence	
Newark, Delaware	
Citizenship US	
Mailing Address	
50 Willow Creek Lane	
Newark, Delaware 19711	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
Maning Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	
Sole or first inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	·
Fourth inventor's signature	Date
Tourist inventor 3 signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
	<u>.</u>
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
indicate a second secon	
68 Mitchell Drive	
Sound Beach, New York 11789	

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

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Application Number	Country	Date of Fi	ling	Priority Claimed Under 35 USC 11
		(S), IF ANY FILEI N) PRIOR TO TH		E THAN 12 MONTI APPLICATION
Application Number	er	Country		Date of Filing
				AL APPLICATION
creby claim priority be tes provisional patent	application(s)	listed below:		e §119(e), of any Un
ereby claim priority bettes provisional patent no such U.S. provis such U.S. provision	application(s) sional application al application	listed below: ons have been filed have been filed as	d. follows:	
ereby claim priority bettes provisional patent no such U.S. provis such U.S. provision Application N	application(s) sional application al application	listed below: ons have been filed have been filed as Date of Filing	d. follows:	
ereby claim priority bettes provisional patent no such U.S. provis such U.S. provision	application(s) sional application al application	listed below: ons have been filed have been filed as	d. follows:	riority Claimed
ereby claim priority bettes provisional patent no such U.S. provis such U.S. provision Application N	application(s) sional application al application	listed below: ons have been filed have been filed as Date of Filing	d. follows:	riority Claimed der 35 USC 119
reby claim priority bettes provisional patent no such U.S. provision such U.S. provision Application N 60/41460	application(s) sional application al application Number	listed below: ons have been filed have been filed as Date of Filing	follows:	riority Claimed der 35 USC 119 Yes No

Page 2 of 6

x such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 28120

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Boston, Massachusetts 02110-2624

Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Please direct facsimiles to: (617) 951-7050

Full name of third inventor, if any	
Gregory J. Hannon	- I Date
Third inventor's signature	Date
Residence	
Huntington, New York .	
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	Date
Michelle a. Camell	196406
Nesconset, New York	
Mailing Address	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins	Date
Eighth inventor's signature	Bate
Residence	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
Maning Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	Date
Sixth inventor's signature	
Residence	
Newark, Delaware	
Citizenship US	
Mailing Address	
50 Willow Creek Lane	
Newark, Delaware 19711	

T II	
Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Residence	
Cambridge, Massachusetts	
Citizenship US Mailing Address	· · · · · · · · · · · · · · · · · · ·
Maning Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	
Sole or first inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
ivianing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
, , , , , , , , , , , , , , , , , , , ,	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
]	Date
, , l	Date
	Date
Residence Sound David Name Value	Dait
Sound Beach, New York	Dait
Sound Beach, New York Citizenship US	Dait
Sound Beach, New York	Dait
Sound Beach, New York Citizenship US Mailing Address	Date
Sound Beach, New York Citizenship US Mailing Address 68 Mitchell Drive	Date
Sound Beach, New York Citizenship US Mailing Address	Date

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date .
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
7 Mentown, Felmsylvania 10104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
22 Charles Street	
33 Chatham Street	
Brookline, Massachusetts 02446	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

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1	Country	Date of Fil	ing	Priority Claimed Under 35 USC 119
ALL FOREIGN AP (6 MONTHS	PLICATION(S FOR DESIGN	S), IF ANY FILED) PRIOR TO THI	MORE TH S U.S. APP	IAN 12 MONTH LICATION
Application Number	r	Country	Į Į	Date of Filing
				
CLAIM FOR BEN	EFII OF EAR	LIER U.S. PROV	ISIONAL A	APPLICATIONS
ereby claim priority ber			es Code §11	19(e), of any Unit
tes provisional patent a	pplication(s) li	sted below:		
no such U.S. provision	onal applicatio	ns have been filed		
such U.S. provisiona	ıl application h	ave been filed as f	follows:	
Application Nu	umber	Date of Filing		y Claimed 5 USC 119
60/414605	Sep	otember 27, 2002	X Ye	s No
	ŧ			
			L	
CLAIM FOR	BENEFIT OF	EARLIER U.S./P	CT APPLIC	CATION(S)
		EARLIER U.S./P		
ereby claim the benefit blication(s) listed below	under Title 35, and, insofar a	United States Co s the subject matte	de, §120 of er of each of	the United States f the claims of thi
ereby claim the benefit blication(s) listed below blication is not disclose	under Title 35, and, insofar a d in the prior U	United States Co s the subject matte (nited States appli	de, §120 of er of each of cation in the	the United States f the claims of thi manner provide
ereby claim the benefit blication(s) listed below blication is not disclosed first paragraph of Title information that is mate	under Title 35, and, insofar and in the prior U 35, United Staterial to patenta	United States Co is the subject matter inited States appliances Code, §112, I bility in accordance	de, §120 of er of each of cation in the acknowled ce with Title	the United States f the claims of this e manner provide ge the duty to disc a 37, Code of Fed
ereby claim the benefit blication(s) listed below	under Title 35, and, insofar a d in the prior U 35, United Sta erial to patenta became availab	United States Cos the subject matter (nited States appliates Code, §112, I bility in accordance) le to me between	de, §120 of er of each of cation in the acknowledge with Title the filing d	the United States f the claims of thi e manner provide ge the duty to disc e 37, Code of Fed ate of the prior

x such U.S./PCT application have been filed as follows:

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,			
		1	

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Ropes & Gray LLP One International Place Boston, Massachusetts 02110-2624

Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Please direct facsimiles to: (617) 951-7050

Full name of third inventor, if any	
Gregory J. Hannon	Date
Third inventor's signature	Date
Residence	
Huntington, New York	İ
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	Date
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
140 Cibba Band	
142 Gibbs Pond Nesconset, New York 11767	
Nesconset, New York 11707	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Cossilere	7/26/06
Residence,	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
The state of the s	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
The state of the s	
Full name of sixth inventor, if any Jordan Fridman	
Sixth inventor's signature	Date
GIAUI III TOIROI S SIGNIMATO	
Residence	<u> </u>
Newark, Delaware	
Citizenship US	
Mailing Address	
50 Willow Creek Lane	
Newark, Delaware 19711	

E.H	
Full name of second inventor, if any	
Michael Hemann Second inventor's signature	
Second inventor's signature	Date
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	
Sole or first inventor's signature	Date
Sole of hist inventor's signature	Date
	j
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
, and the second	
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
System Buy, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
Residence	
Sound Beach, New York	
The state of the s	
Citizenship US Mailing Address	
waning Address	
68 Mitchell Drive	
Sound Beach, New York 11789	

Γ	· · · · · · · · · · · · · · · · · · ·
Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2222 1 11 + 6 + 2 + 171	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	

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Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any Unite	ed
States provisional patent application(s) listed below:	

	no such	ЦS	provisional	an	nlications	have	heen	filed
1 1	no such	0.5.	provisionar	aμ	prications	nave	occn	mea.

x	such U.S.	provisional	application	have been	filed as	follows
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Date of Filing	Priority Claimed Under 35 USC 119
September 27, 2002	X Yes No

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

	no such U.S./PCT applications have been filed.
x	such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 28120

all of Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

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Please mail all correspondence to Matthew P. Vincent, whose address is:

Ropes & Gray LLP One International Place Boston, Massachusetts 02110-2624

Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Please direct facsimiles to: (617) 951-7050

: ;

Full name of third inventor, if any	· · · · · · · · · · · · · · · · · · ·
Gregory J. Hannon	
Third inventor's signature	Date
Trilled invention a sugmentary	
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
ou Guical Tana	
34 Griffith Lane Huntington, New York 11743	
Hummigton, New York 11713	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	Date
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
·	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins Eighth inventor's signature	Date
Eighth inventor's signature	
Residence	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
1 D. Marian Bood James Duilding	
1 Bungtown Road, James Building Cold Spring Harbor, New York 11724	
Cold-spring Harout, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
, ,	8/23/06
Residence	1000
Newark, Delaware	
Citizenship US Mailing Address	
Manua vonces	
50 Willow Creek Lane	
Newark, Delaware 19711	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	
Sole or first inventor's signature	Date
·	
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road Cold Spring Harbor, New York 11724	
Cold Spring Harbor, New York 11724	
	· · · · · · · · · · · · · · · · · · ·
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
Residence	
Sound Beach, New York	
Citizenship US	· · · · · · · · · · · · · · · · · · ·
Mailing Address	
68 Mitchell Drive	
Sound Beach, New York 11789	

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
·	
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2222 1 7	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CELL-BASED RNA INTERFERENCE AND RELATED METHODS AND COMPOSITIONS

which is a national stage filing under 35 U.S.C. 371 of PCT application PCT/US03/030901, filed on February 15, 2005, now assigned Application No. 10/524690.

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EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

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Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority bene-	fits under Title 35	, United States Co	ode §119(e), of a	any United
States provisional patent app	olication(s) listed l	below:		

	no suc	h U.S.	provisional	applications	have been	filed.
	110 000		providicinal	appirounons	iid to occii	11104

x	such U.S.	provisional	application	have been	filed as	follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/414605	September 27, 2002	X Yes No
	<u>.</u>	

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

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Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003

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Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Please direct facsimiles to: (617) 951-7050

Full name of third inventor, if any	
Gregory J. Hannon	
Third inventor's signature	Date
Residence	-
Huntington, New York	
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	Date
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
Thursing Address	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship Australia Mailing Address	
Maining Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
<u> </u>	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
Residence	
Newark, Delaware	
Citizenship US	
Mailing Address	
50 Willow Creek Lane	
Newark, Delaware 19711	

T. II. Cassand inventor if any	
Full name of second inventor, if any Michael Hemann	
Michael Fielifaiti Second inventor's signature	Date
Second inventor's signature	7/21/06
/ White has	
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	
Sole or first inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Oold 55	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Oyster Bay, New York	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
find the second of the second	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	Date
Ninth inventor's signature	
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
68 Mitchell Drive	
Sound Beach, New York 11789	

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
	Bute
Residence	·
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
0000 1.11 0 0. 1.51	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	

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Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

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Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

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States provisional patent application(s) liste	d below:	

	no such U.S	. provisional	applications	have	been	filed.

x	such U.S.	provisional	application	have been	filed as	follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/414605	September 27, 2002	X Yes No

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ſ	x	such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing	
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Please direct facsimiles to: (617) 951-7050

Full name of third inventor, if any	
Gregory J. Hannon	
	Date
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	······································
24 0 :00:1	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	I Date
Sevendi invenior s signature	Date
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
Residence	İ
Newark, Delaware	
Citizenship US	
Mailing Address	
50 Willow Creek Lane	
Newark, Delaware 19711	

Full name of second inventor, if any	•
Michael Hemann	
Second inventor's signature	Date
	Ì
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Dawe	
Sole or first inventor's signature	Date
	7-31-06
CASS CO	
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
a B i Bud	
One Bungtown Road Cold Spring Harbor, New York 11724	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
68 Mitchell Drive	
Sound Beach, New York 11789	
I and the second	

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2233 Liberty Street, 2nd Floor Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	,
Brookline, Massachusetts 02446	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE <u>DECLARATION FOR PATENT APPLICATION</u>

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

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Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/414605	September 27, 2002	X Yes No

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Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003

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Gregory J. Hannon	
Third inventor's signature	Date
Residence	
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Huntington, New York 11743	
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Michelle A. Carmell	
Seventh inventor's signature	Date
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Residence	
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Citizenship Australia	
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Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman Sixth inventor's signature	
Sixth inventor's signature	Date
Residence	<u> </u>
Newark, Delaware	
Citizenship US	
Mailing Address	
•	
50 Willow Creek Lane	
Newark, Delaware 19711	

F. Il of account invienter if any	
Full name of second inventor, if any Michael Hemann	
Second inventor's signature	Date
Second inventor 8 signature	
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
4004	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	
Sole or first inventor's signature	Date
Sole of first inventor 3 signature	
<u>·</u>	
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
The state of the s	
Full name of fourth inventor, if any	
Patrick Patrison Fourth invertor's structure	Date,)
Pourth investor a statute	12/21/06
130 Y MV	17/01/03
Residence	1
Oyster Bay, New York	
Citizenship US	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
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Mailing Address	
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Sound Beach, New York 11789	

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Fifth inventor's signature	Date
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I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

	**		3	
x no suc	h foreign application	s have	been filed	
such for	oreign application ha	ve beei	n filed as follows:	

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any Unit	ted
States provisional patent application(s) listed below:	

	no such U.S.	provisional	applications	have	been	filed.
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$\overline{}$									
x	such U	.S. p	rovisional	application	have	been	filed	as	follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119			
60/414605	September 27, 2002	X Yes No			

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

	no such U.S./PCT applications have been filed.	
x	such U.S./PCT application have been filed as follows:	

Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 28120

all of Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from The Research Foundation of State University of New York as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

Please mail all correspondence to Matthew P. Vincent, whose address is:

Ropes & Gray LLP
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Boston, Massachusetts 02110-2624

Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Please direct facsimiles to: (617) 951-7050

Full name of third inventor, if any	
Gregory J. Hannon	
Third inventor's signature	Date
Time inventor 3 signature	Date
Residence Hyptington Novy Voyle	
Huntington, New York Citizensh IIS	
L.in	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell Seventh inventor's signature	I Day
Second inventor's signature	Date
Residence	
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Citizenship US	
Mailing Address	
142 Gibbs Pond	
Nesconset, New York 11767	
resconset, new rolk 11707	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
	}
Residence	
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Citizenship Australia	
Mailing Address	
The state of the s	
1 Bungtown Road, James Building	
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Full conservation of the state	
Full name of sixth inventor, if any Jordan Fridman	
Sixth inventor's signature	Date
SIAM INVENOR 3 SIGNACIO	Date
Residence	
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Citizenship US	
Mailing Address	
50.11/11	
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Newark, Delaware 19711	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Second III. Silver S. S. Silver S.	
N. 11	
Residence Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	Date
Sole or first inventor's signature	
Residence Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
1/4	8/18/06
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
68 Mitchell Drive	
Sound Beach, New York 11789	

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2222111	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	

Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CELL-BASED RNA INTERFERENCE AND RELATED METHODS AND COMPOSITIONS

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Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

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Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

hereby claim priority benefits under Title 35, United States Code §119(e),	of any United
States provisional patent application(s) listed below:	J

	no such	U.S.	provisional	applications	have	been	filed
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I	\neg						
l	X	such U.S.	provisional	application	have be	en filed a	is follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/414605	September 27, 2002	X Yes No

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

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This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003
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All practitioners at Customer Number 28120

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Please direct facsimiles to: (617) 951-7050

En Carrier Co.	
Full name of third inventor, if any	
Gregory J. Hannon	
Third inventor's signature	Date
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
Maining Address	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	Date
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
Walling Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
Residence	
Newark, Delaware	
Citizenship US	
Mailing Address	
50 Willow Creek Lane	
Newark, Delaware 19711	

Full name of second inventor, if any			
Michael Hemann			
Second inventor's signature	Date		
Residence			
Cambridge, Massachusetts			
Citizenship US			
Mailing Address			
222 5 11 6 4 4 4201			
332 Franklin Street, Apt. #201 Cambridge, Massachusetts 02139			
Cambridge, Massachuseus 02139			
Full name of sole or first inventor			
Scott W. Lowe			
Sole or first inventor's signature	Date		
Sole of this inventor 3 signature	Date		
Residence			
Cold Spring Harbor, New York			
Citizenship US			
Mailing Address			
One Bungtown Road			
Cold Spring Harbor, New York 11724			
Full name of fourth inventor, if any			
Patrick J. Paddison			
Fourth inventor's signature	Date		
Residence			
Oyster Bay, New York			
Citizenship US			
Mailing Address			
Walling Address			
9 Moffett Street			
Oyster Bay, New York 11771			
Full name of ninth inventor, if any			
Thomas A. Rosenquist			
Ninth inventor's signature	Date		
Residence			
Sound Beach, New York			
The second secon			
Citizenship US	Market Control of the		
Mailing Address			
68 Mitchell Drive			
Sound Beach, New York 11789			
,			

Full name of fifth inventor, if any					
Jack Zilfou					
Fifth inventor's signature	Date				
Me Tizel	8-10-06				
Residence					
Allentown, Pennsylvania	Allentown, Pennsylvania				
Citizenship US					
Mailing Address					
2233 Liberty Street, 2nd Floor Allentown, Pennsylvania 18104					
Full name of fifth inventor, if any					
Stephen J. Elledge					
Fifth inventor's signature	Date				
Residence Brookline, Massachusetts					
Citizenship US					
Mailing Address					



33 Chatham Street Brookline, Massachusetts 02446

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Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
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States provisional patent application(s) listed below:	

i		no s	uch∃	US	provisional	applications	have been	filed
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x such U.S. provisional application have been filed as for
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Application Number	Date of Filing	Priority Claimed Under 35 USC 119	
60/414605	September 27, 2002	X Yes No	

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application and the national or PCT international filing date of this application:
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x such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003
	·		
		1	

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Full name of third inventor, if any	
Gregory J. Hannon	
Third inventor's signature	Date
	1
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
Trainingson, I tow Tork Try 15	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	Date
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
Residence	
Newark, Delaware	
Citizenship US	
Mailing Address	
50 Willow Creek Lane	
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Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Residence	1
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor Scott W. Lowe	
Sole or first inventor's signature	Linu
Sole of this inventor s signature	Date
Residence	<u> </u>
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road Cold Spring Harbor, New York 11724	
Cold Spring Harbor, New York 11/24	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
Maining Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full years of circle in control of	
Full name of ninth inventor, if any Thomas A. Rosenquist	
Ninth inventor's signature	Date
	Date
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
CO Mikeled D. C.	
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Sound Deach, New York 11/09	
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Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
Residence	
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Citizenship US	
Mailing Address	
2233 Liberty Street, 2nd Floor	
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Full name of fifth inventor, if any	
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Fifth inventor's signature Supher J Elled	8/23/2006
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Citizenship US	
Mailing Address	
22 Clasham Street	
33 Chatham Street Brookline, Massachusetts 02446	
BIOOKIIIIC, Massachusetts 02440	